



Special AIRS Validation: *AMSR-E and AMSU/HSB Brightness Temperatures, Cloud, and Precipitation at High Latitudes*



Full Title: **Validation of AMSR-E and AMSU/HSB Level 1 Brightness Temperatures and Level 2 Cloud and Precipitation Parameters at High Latitudes**

Principal Investigator: **Ralf Bennartz, University of Kansas**

Co- Investigators: **Grant W. Petty, University of Wisconsin; Daniel B Michaelson, Swedish Meteorological and Hydrological Institute**

Description of Experiment: **Measure atmospheric state with sondes and ground stations, accumulate regional model simulations. Observe brightness temperatures with ground-based radars, and retrieve associated rainfall and cloud properties. Compare observations with satellite quantities.**

Quantities Measured: **Microwave brightness temperatures, cloud liquid water, rain rates.**

Region of Observations: **Vicinity of Baltic Sea.**

Time of Observations: **Continuous.**

Special Observing Constraints: **None**

